

CLAIMS

1. A ventilation device for the inside of the glass pane (2) of a window (W) of a door or side (D) of a motor vehicle, wherein, immediately below the window (W), the door or side (D) is provided with an internal trim panel (1), the ventilation device comprising

a substantially tubular air channel (3) which extends along the glass pane (2) in proximity to the lower edge of the window (W), and which is provided with an air outflow aperture (4) facing the glass pane (2);

said aperture (4) having a lower edge (4a) coupled in sealed manner to the glass pane (2), and an upper edge (4b) coupled to the glass pane (2) in such a way as to allow air to flow from the channel (3) towards the glass pane (2);

the ventilation device being characterised in that said air channel (3) is formed integrally in the upper end portion of said internal trim panel (1).

2. A ventilation device according to claim 1, wherein said upper end portion of the internal trim panel (1) has a cross-section substantially in the form of a Y-shape curved towards the glass pane (2), having an upper limb (1a) and a lower limb (1b) between which said air channel (3) is defined.

3. A ventilation device according to claim 2, wherein the lower limb (1b) of said end portion of the internal trim panel (1) is provided with a sealing lip (5) which presses resiliently against the glass pane (2).

4. A ventilation device according to claim 2, wherein the edge portion of the limb (1a) of said end portion of the internal trim panel (1) extends at a distance (d) from the glass pane (2).

5. A ventilation device according to claim 4, wherein the edge portion of the upper limb (1a) of said end portion of the internal trim panel (1) is provided with a distribution of flocked bristles (6) which are directed towards the glass pane (2) and which form an air-permeable barrier between said air channel (3) and the inside of the glass pane (2).

6. A ventilation device according to claim 2, wherein the edge portion of the upper limb (1a) of said end portion of the internal trim panel (1) has a lip formed by a strip of fabric which extends towards and against the glass pane (2) and which forms an air-permeable barrier between said air channel (3) and the inside of the glass pane (2).

7. A ventilation device according to claim 2, wherein the edge portion of the upper limb (1a) of said end portion of the internal trim panel (1) is provided with an arrangement of longitudinally spaced notches (7), between adjacent pairs of which are defined corresponding edge portions (8) projecting in the direction of the glass pane (2) so that said notches (7) define outflow apertures towards the glass pane for the air which flows, in operation, in said air channel (3).

8. A ventilation device according to claim 7, wherein said notches (7) are produced directly in the edge (1a) of the trim panel (1).

9. A ventilation device according to claim 7, wherein said notches (7) are produced in a resilient lip member (9) connected to the edge (1a) of the internal trim panel (1).

10. A ventilation device according to any one of the preceding claims, wherein the air channel (3) has a cross-section that is substantially constant over its length.

11. A ventilation device according to any one of claims 1-9, wherein the air channel (3) has a cross-section increasing with the distance from its end closest to the fascia.